



**US Army Corps
of Engineers.**
Philadelphia District
Wanamaker Building
100 Penn Square East
Philadelphia, PA 19107-3390
ATTN: CENAP-OP-R

Public Notice

Public Notice No.
CENAP-OP-R-2006-6411-24

Date

DEC 12 2008

Application No.

File No.

In Reply Refer to:
REGULATORY BRANCH

This District has received an application for a Department of the Army permit pursuant to Section 404 of the Clean Water Act (33 U.S.C. 1344).

The purpose of this notice is to solicit comments and recommendations from the public concerning issuance of a Department of the Army permit for the work described below.

APPLICANT: Reading Materials, Incorporated

AGENT: The H & K Group
P. O. Box 196
Skippack, PA 19474

WATERWAY: Unnamed tributary to the Schuylkill River

LOCATION: The project site is located within the Reading Materials, Incorporated, Douglassville Quarry, to the east of the relocated Squirrel Hollow Road, and south of Constitution Avenue, in Douglass Township, Berks County, Pennsylvania. The county tax parcel numbers are 537400338672 and 537400443891.

ACTIVITY: The applicant proposes to permanently relocate approximately 3,531 linear feet (0.584 acre) of an existing unnamed tributary to the Schuylkill River to a position east of its present location. The current channel to be relocated includes approximately 2,725 linear feet of open channel (0.500 acre), 245 feet of concrete-lined channel (0.034 acre) and 561 linear feet of existing piping and culverts (0.050 acre). This proposed permanent relocation is subsequent to the previously approved temporary relocation of the same stream (Department of the Army Permit CENAP-OP-R-2000-1032-24 issued November 3, 2000). The proposed relocation would move the stream channel away from the existing mining operation and stone processing facilities, through which it has flowed for the last century. The stream channel has a drainage basin of roughly 200 acres. As the stream enters the quarry property, much of the stream base flow disappears due to the adjacent quarry, which draws the groundwater down to a sump. The sump is in turn pumped back into the stream, farther downstream, where it flows into an in-stream sediment basin. The proposed relocation would keep all stream flow (inclusive of base flow) from entering the sediment basin, which is used for settling pump-out water.

The new stream channel would connect to the upper portion of a separate tributary, which currently joins the channel at a different point on the property (i.e. below the settling basin referenced above). This tributary is entirely within the quarry property. The proposed project

would include the construction of approximately 2,486 linear feet of new open channel, as well as the reconstruction of two portions of the existing separate tributary (367 linear feet or 0.104 acre). One would be where the downstream end of the new proposed channel would connect with this new receiving stream. Here, approximately 317 linear feet (0.081 acre) would require minor excavation and re-alignment to create a transition between the two. The other would be at the upstream end of an existing culvert to create a better transition zone entering the reconstructed culvert (50 linear feet or 0.023 acre). Temporary coffer dams would be required at both of these points to by-pass flow while work is in progress.

The channel relocation would involve the replacement of 38 linear feet of existing 24-inch corrugated metal pipe (currently a cross-drain under a road with no stream) with 50 linear feet of 5' X 10' concrete box culvert, as well as the replacement of 210 feet of existing 33" X 52" elliptical reinforced concrete pipe (on the separate tributary) with the same length of 5' X 12' concrete box culvert.

Approximately 238 linear feet (0.044 acre) of the existing stream would be filled at the upstream end where it enters the property (just below Constitution avenue). The remainder of the existing stream would be excavated as part of expanded mining operations. One area of Federally regulated emergent wetland (0.02 acre) would be impacted by the proposed project. It is an area where wetland vegetation has formed due to drainage being blocked by an earthen berm at the head of the second tributary (where the relocated channel would join). The area is proposed to be excavated for new channel construction. As compensatory mitigation, the applicant proposes to create a 0.05-acre vegetated riparian buffer along the relocated channel in roughly the same location. The area would be seeded with a wetland seed mixture.

The proposed work will require a Section 401 Water Quality Certification to be issued by the Commonwealth of Pennsylvania, Bureau of District Mining Operations, since the project area is within an area covered by a Noncoal Surface Mining Permit from that agency.

PURPOSE: The applicant's stated purpose for the project is to relocate the unnamed tributary to a location where it is no longer conflicting with the on-going mining operation and where mineral reserves have been exhausted and mining activity ceased. The proposed stream relocation would facilitate the bypass of stream flow around the existing in-stream sediment basin, and would facilitate the extraction of underlying bedrock and allow mining to progress unimpeded within the Surface Mining Permit area.

A preliminary review of this application indicates that the proposed work would not affect listed species or their critical habitat pursuant to Section 7 of the Endangered Species Act as amended. As the evaluation of this application continues, additional information may become available which could modify this preliminary determination.

The decision whether to issue a permit will be based on an evaluation of the activity's probable impact including its cumulative impacts on the public interest. The decision will reflect the national concern for both protection and utilization of important resources. The benefits which reasonably may be expected to accrue from the work must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the work will be considered including the cumulative effects thereof; among those are conservation, economics,

aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shore erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs and welfare of the people. A Department of the Army permit will be granted unless the District Engineer determines that it would be contrary to the public interest.

The Corps of Engineers is soliciting comments from the public; Federal, State, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the

Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Comments on the proposed work should be submitted, in writing, within 15 days to the District Engineer, U.S. Army Corps of Engineers, Philadelphia District, Wanamaker Building, 100 Penn Square East, Philadelphia, Pennsylvania 19107-3390.

Review of the National Register of Historic Places indicates that no registered properties or properties listed as eligible for inclusion therein are located within the permit area of the work.

The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act 1996 (Public Law 104-267), requires all Federal agencies to consult with the National Marine Fisheries Service on all actions, or proposed actions, permitted, funded, or undertaken by the agency that may adversely effect Essential Fish Habitat (EFH). A preliminary assessment of the species listed in the "Guide to Essential Fish Habitat Designations in the Northeastern United States, Volume IV: New Jersey and Delaware", dated March 1999, has indicated that there is no designated EFH within the project area.

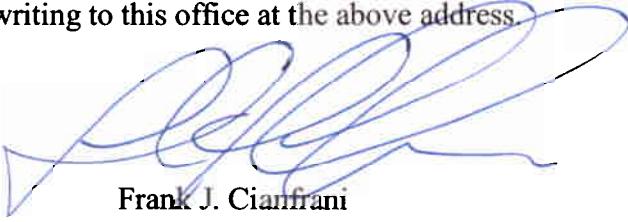
In accordance with Section 307(c) of the Coastal Zone Management Act of 1972, applicants for Federal Licenses or Permits to conduct an activity affecting land or water uses in a State's coastal zone must provide certification that the activity complies with the State's Coastal Zone Management Program. The proposed project site is not located within the Commonwealth of Pennsylvania's approved coastal zone.

In accordance with Section 401 of the Clean Water Act, a Water Quality Certificate is necessary from the State government in which the work is located. Any comments concerning the work described above which relate to Water Quality considerations should be sent to this office with a copy to the State.

The evaluation of the impact of the work described above on the public interest will include application of the guidelines promulgated by the Administrator, U.S. Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act.

Any person may request, in writing, to the District Engineer, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for a public hearing shall state in writing, with particularity, the reasons for holding a public hearing.

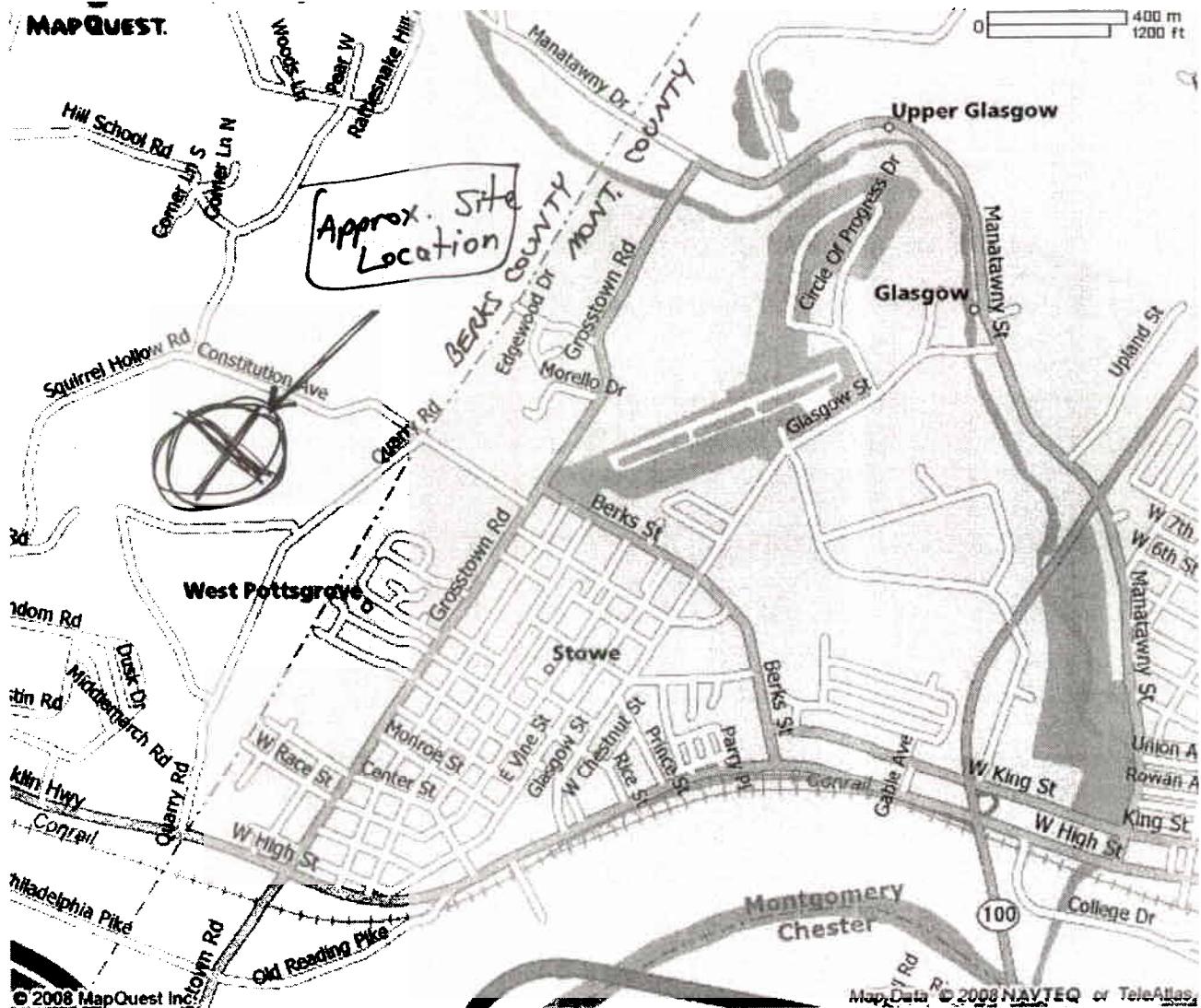
Additional information concerning this permit application may be obtained by calling James Boyer at (215) 656-5826 or writing to this office at the above address.

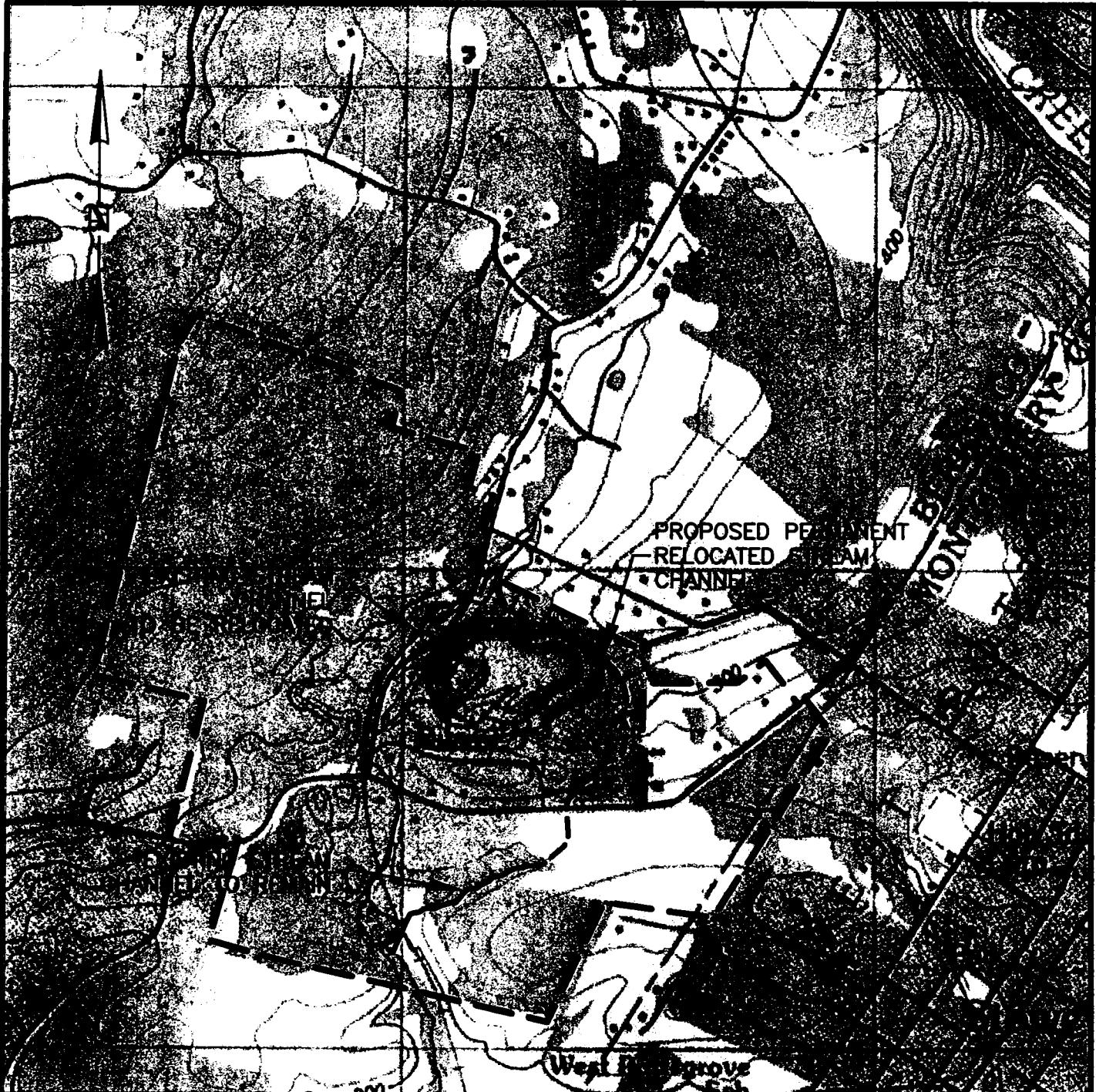


Frank J. Cianfrani
Chief, Regulatory Branch

MAPQUEST.

0 400 m
1200 ft





Douglassville Quarry Surface Mining Permit Boundary

Map derived from a portion of the Boyertown, PA 7.5 Minute USGS Quadrangle Map

T H E HK G R O U P <small>2052 Ligon Road • P.O. Box 196 • Shippensburg, PA 17257 • (724) 238-8500</small>	ENGINEERING AND ENVIRONMENTAL SERVICES DIVISION	DOUGLASSVILLE QUARRY A Division of Reading Materials, Inc.	
SITE LOCATION MAP PROPOSED STREAM RELOCATION			
DRAWN BY: E.D.G. DATE: 05/14/08		DRAWING NO. SITE-LOC-1A C	
CHECKED & APPROVED BY: E.D.G.			

SCALE: 1" = 1000'

Revised 11/07/08



Scale: 1" = 300'

0 300 600

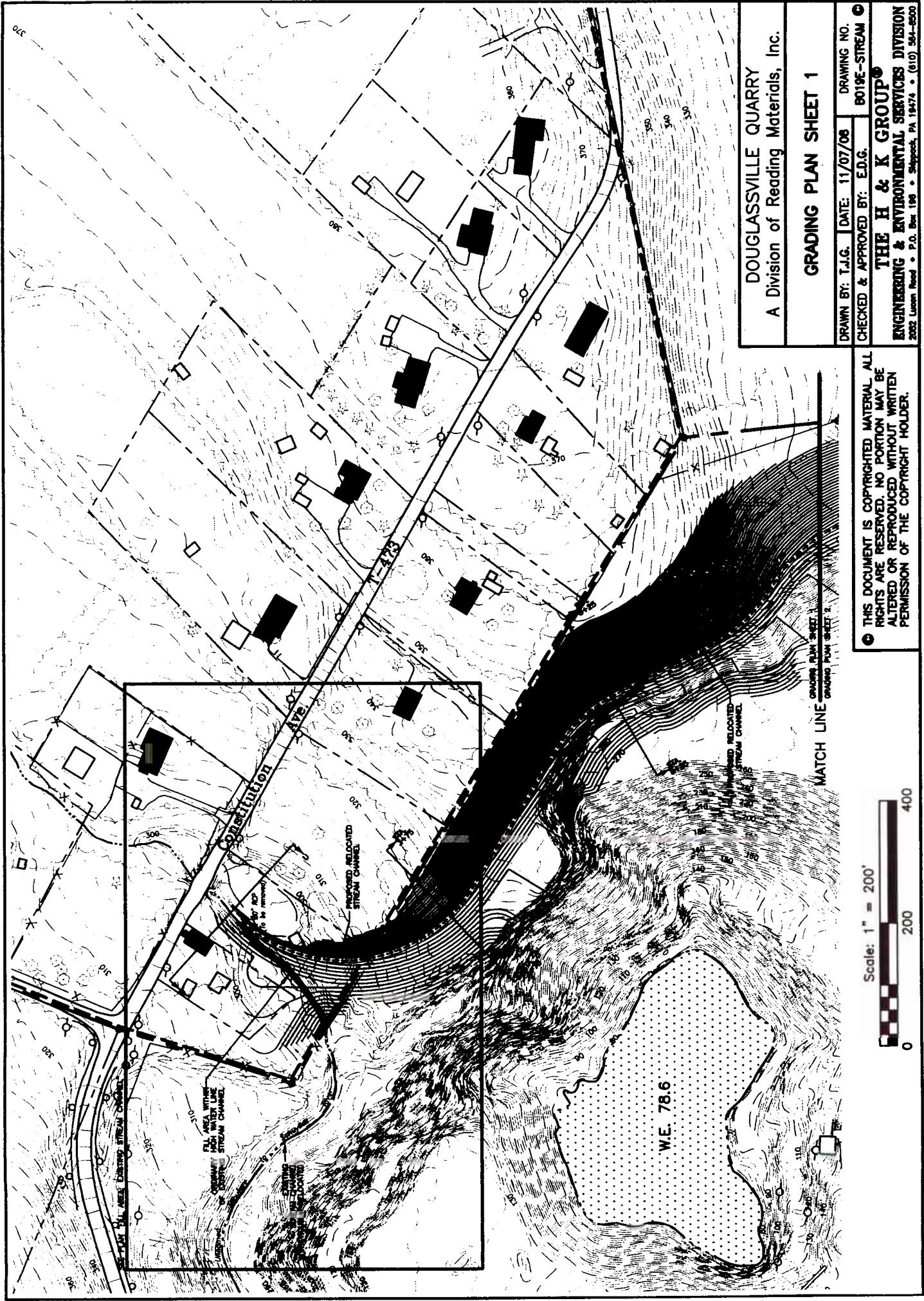
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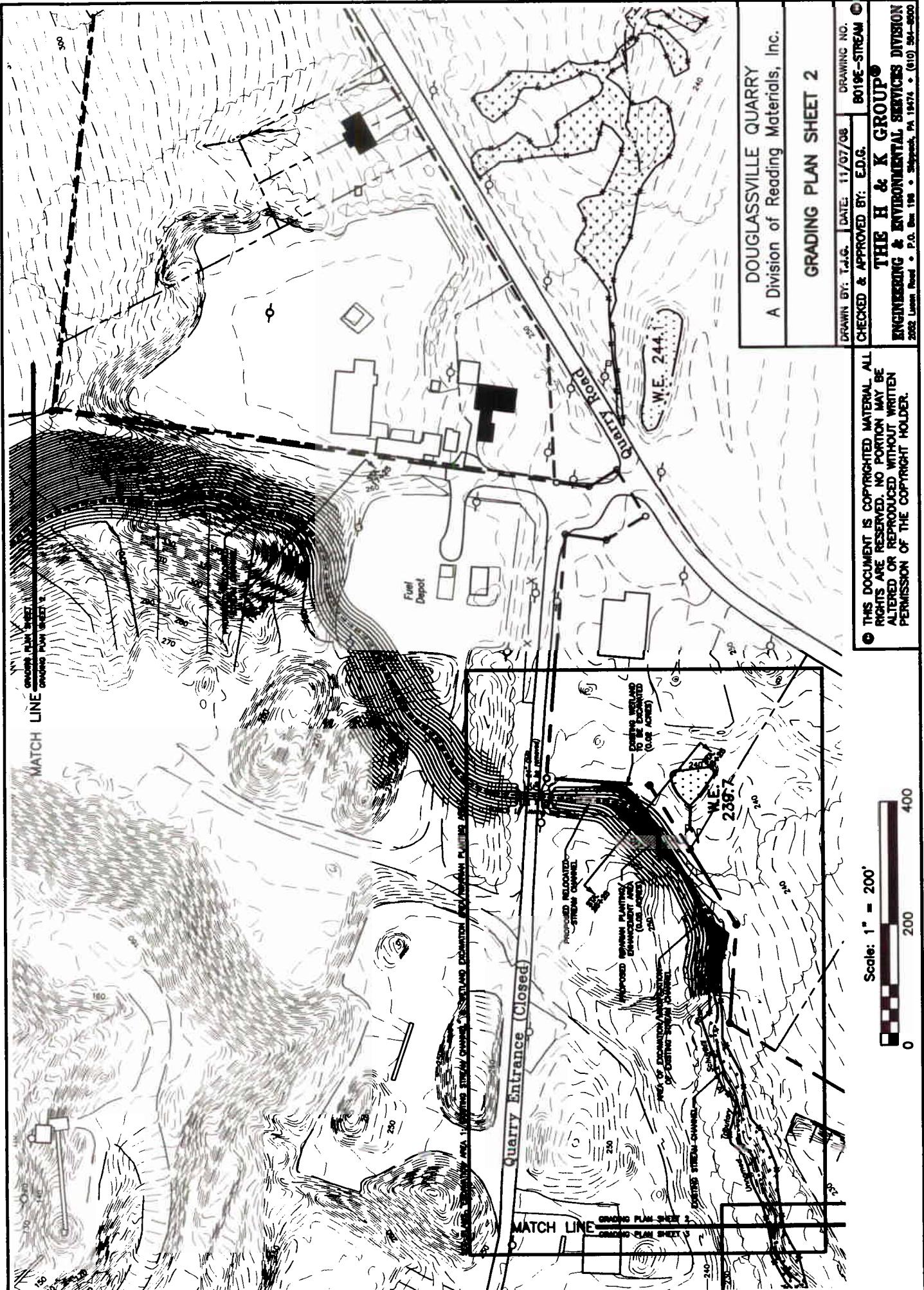
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A Division of Reading Materials, Inc.

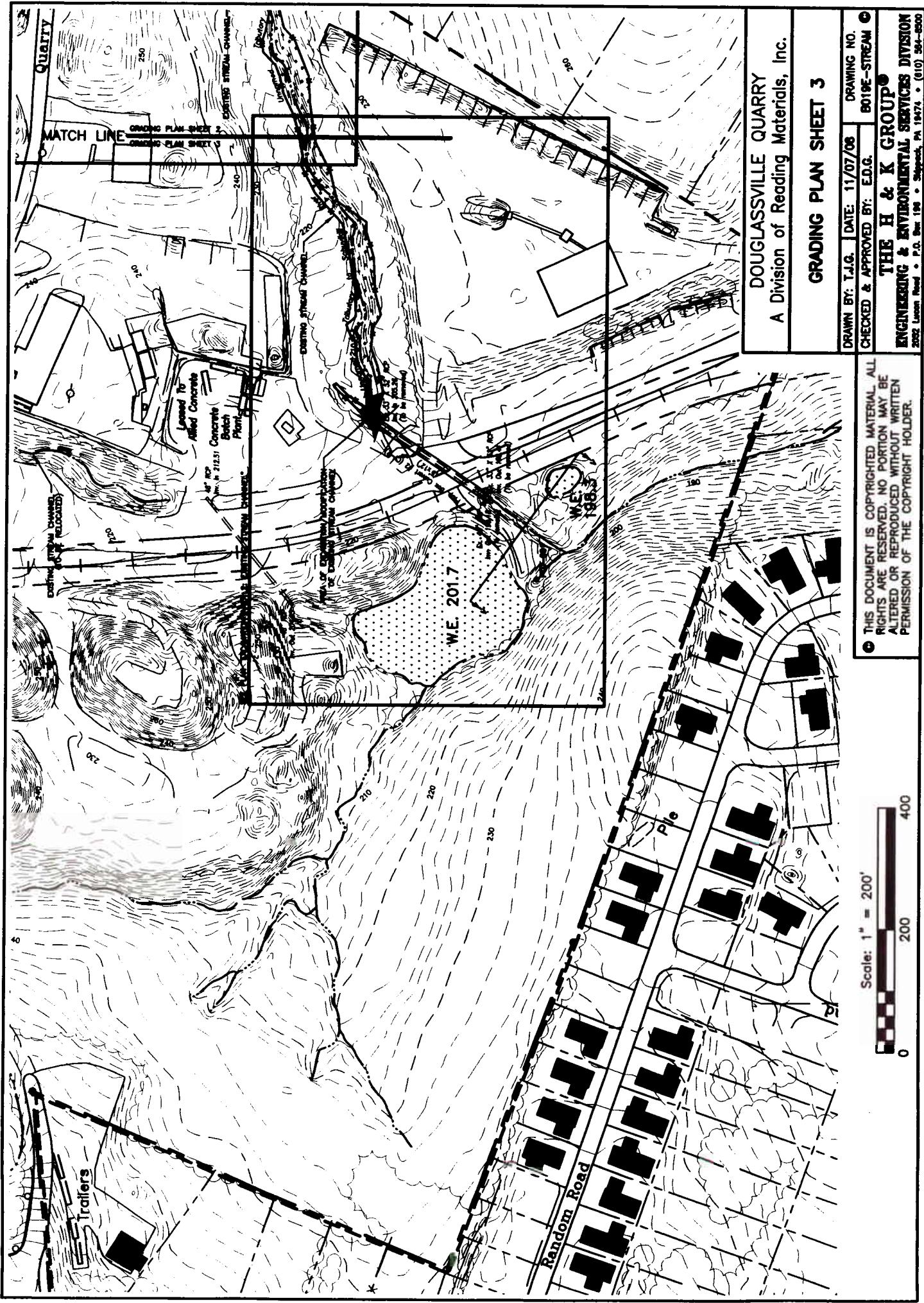
GRADING PLAN OVERVIEW

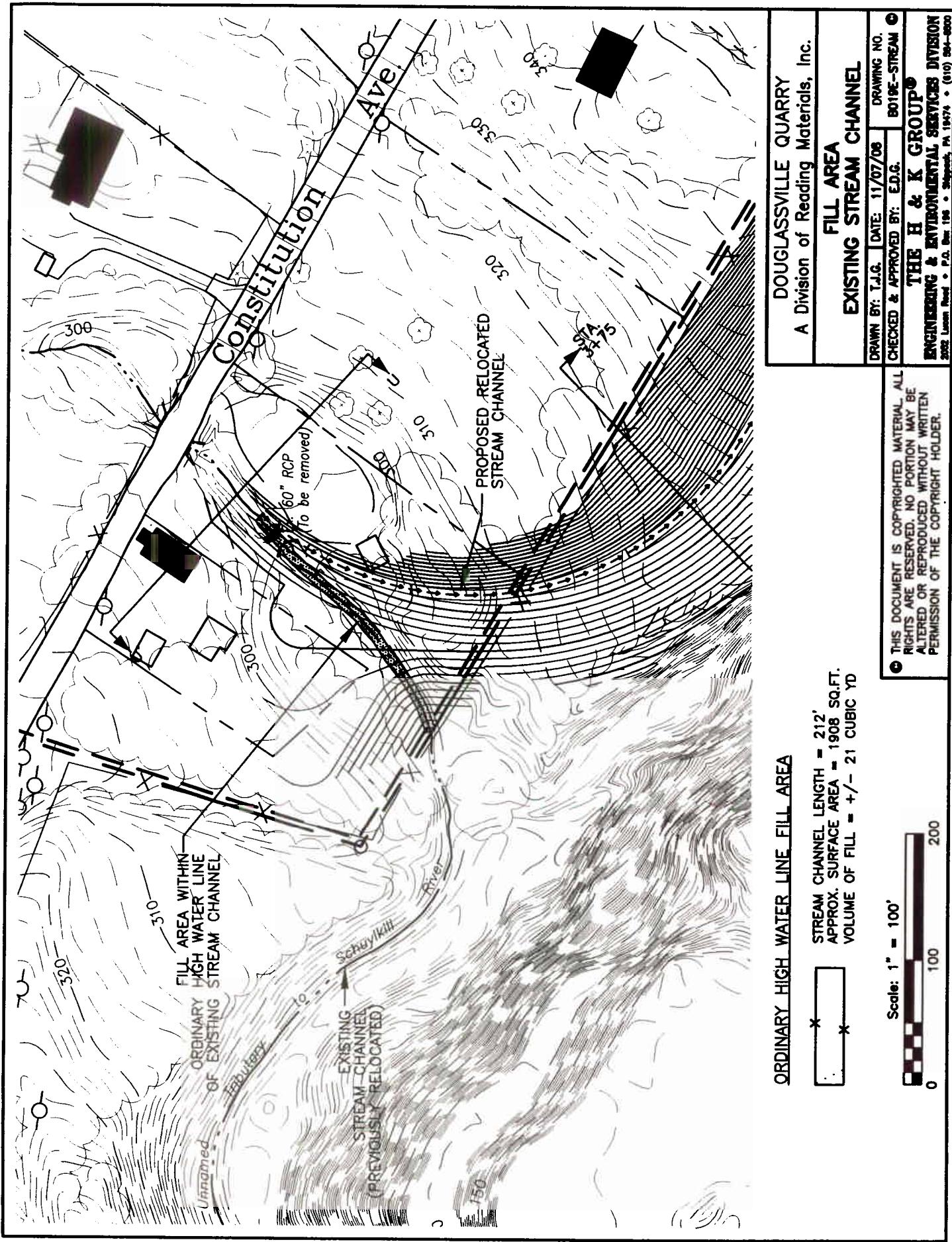
DRAWN BY: T.J.G. DATE: 11/07/08 DRAWING NO.
CHECKED & APPROVED BY: E.D.G. BO19E-STREAM ©

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ENGINEERING & ENVIRONMENTAL SERVICES DIVISION
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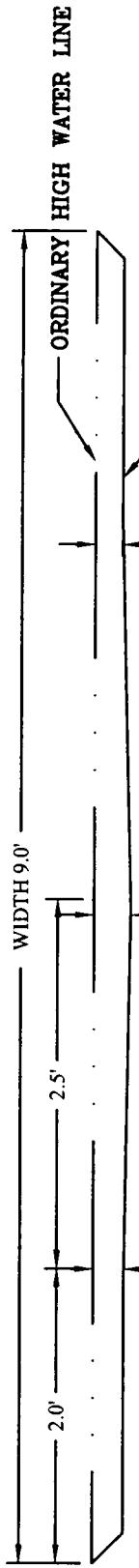








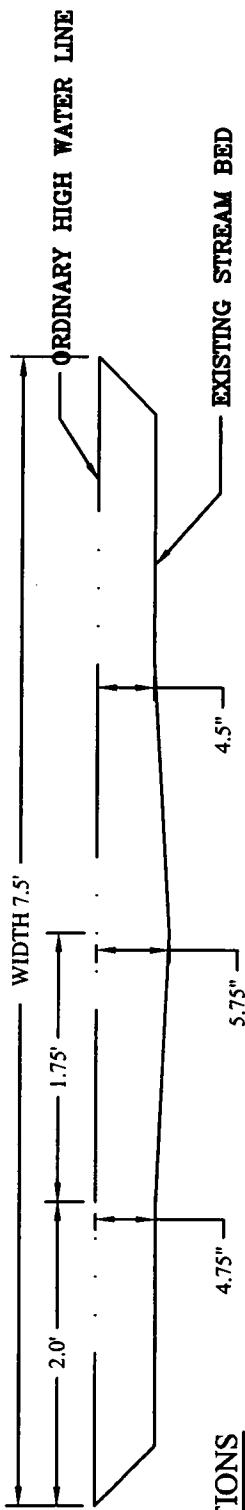
CROSS-SECTIONS OF THE EXISTING STREAM CHANNEL
IN THE AREA TO BE FILLED



CROSS SECTIONAL AREA = 1.87 sq.ft



CROSS SECTIONAL AREA = 3.29 sq.ft



CALCULATIONS

$$\begin{aligned} \text{Area 1} &= 1.87 \text{ sq. ft} \\ \text{Area 2} &= 3.29 \text{ sq. ft} \\ \text{Area 3} &= 2.91 \text{ sq. ft} \\ \text{Average Area} &= 2.69 \text{ sq. ft} \end{aligned}$$

VOLUME

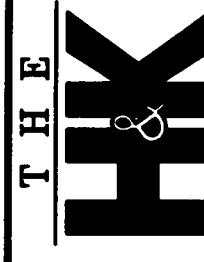
$$\begin{aligned} \text{Channel Length} &= -212 \text{ ft} \\ 2.69 \text{ sq. ft} \times 212 \text{ ft} &= 570.28 \text{ cubic ft} \\ 570.28 \text{ cubic ft} / 27 \text{ cubic ft per yd} &= \\ 21.12 \text{ cubic yd of fill below the OHWL} & \end{aligned}$$

Revised 11/06/08

READING MATERIALS, INC.
Douglassville Quarry

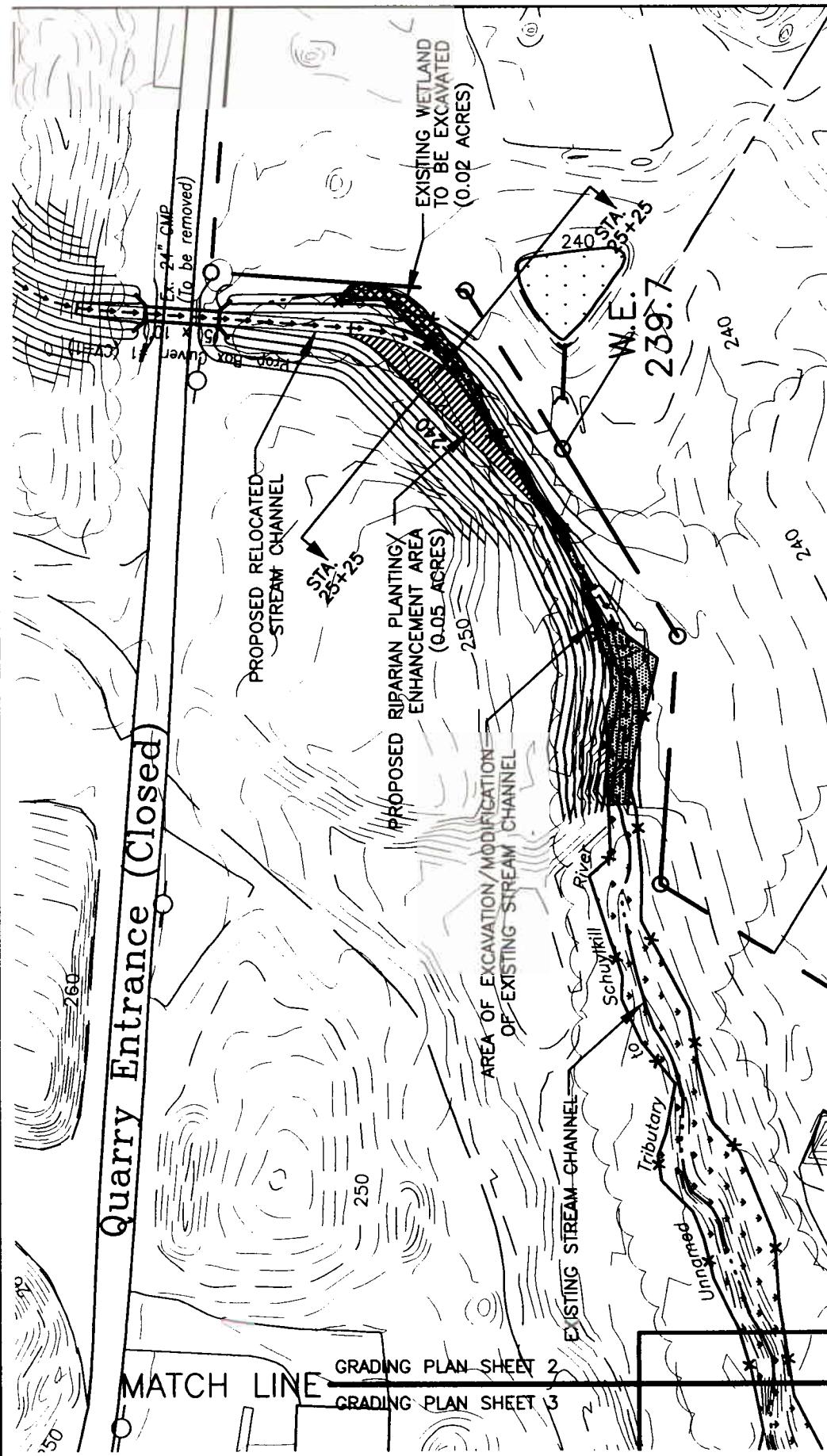
ORDINARY HIGH WATER LINE VOLUMES
PERMANENT STREAM RELOCATION

DRAWN BY: E.D.G.	DATE: 05/29/08	DRAWING NO.
CHECKED & APPROVED BY: E.D.G.		OHWL_2008.05.09



G R O U P
2032 Ligon Road • P.O. Box 196 • Stepback, PA 19474 • (610) 584-8500

Quarry Entrance (Closed)



Riparian Planting / Enhancement Area.
Install filter fabric fence downstream of the proposed activity.

1. Clear and grub only as necessary to accommodate channel/wetland excavation.
2. Excavate wetland soil and stockpile in an appropriate location for reuse in riparian planting/enhancement area.
3. Excavate relocated channel and riparian planting area to the design elevations as shown on plan.
4. Redistribute excavated wetland soils and supplemental topsoil (where necessary) throughout wetland enhancement at a thickness of 12 inches to achieve final grades.
5. Seed wetland enhancement area with a commercial grade wetland seed mixture (i.e. New England Wetmix, New England Wetland Plants, Inc. – application rate 1 lb./2500 sq.ft.)
6. Permanently seed and stabilize all disturbed surfaces.
7. Scale: 1" = 100'.

0 100 200

EXISTING WETLAND TO BE EXCAVATED
Approx. Surface Area = 0.02 Acres

PROPOSED RIPARIAN PLANTING/ENHANCEMENT AREA
Approx. Surface Area = 0.05 Acres

DOUGLASSVILLE QUARRY
A Division of Reading Materials, Inc.

WETLAND EXCAVATION AREA / RIPARIAN PLANTING AREA

DRAWN BY: T.A.G. DATE: 11/07/08 DRAWING NO. B018E-STREAM
CHECKED & APPROVED BY: E.O.Q. DRAWN BY: T.A.G. DATE: 11/07/08 DRAWING NO. B018E-STREAM
THE H & K GROUP
ENGINEERING & ENVIRONMENTAL SERVICES DIVISION
2002 Legion Road • P.O. Box 198 • Saylorsburg, PA 18674 • (610) 564-5600

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Quarry Entrance (Closed)

MATCH LINE

GRADING PLAN SHEET 2
GRADING PLAN SHEET 3

D.C. 24" CMP
(to be removed)

PROPOSED RELOCATED
STREAM CHANNEL

PROPOSED RIPARIAN PLANTING/
ENHANCEMENT AREA
(0.05 ACRES)

AREA OF EXCAVATION/MODIFICATION
OF EXISTING STREAM CHANNEL

EXISTING STREAM CHANNEL

STA.
25+25

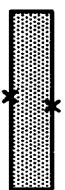
W.E.
239:7

240

240

STREAM CHANNEL EXCAVATION/MODIFICATION AREA

STREAM CHANNEL LENGTH = 317
APPROX. SURFACE AREA = 3514 SQ.FT.



Scale: 1" = 100'

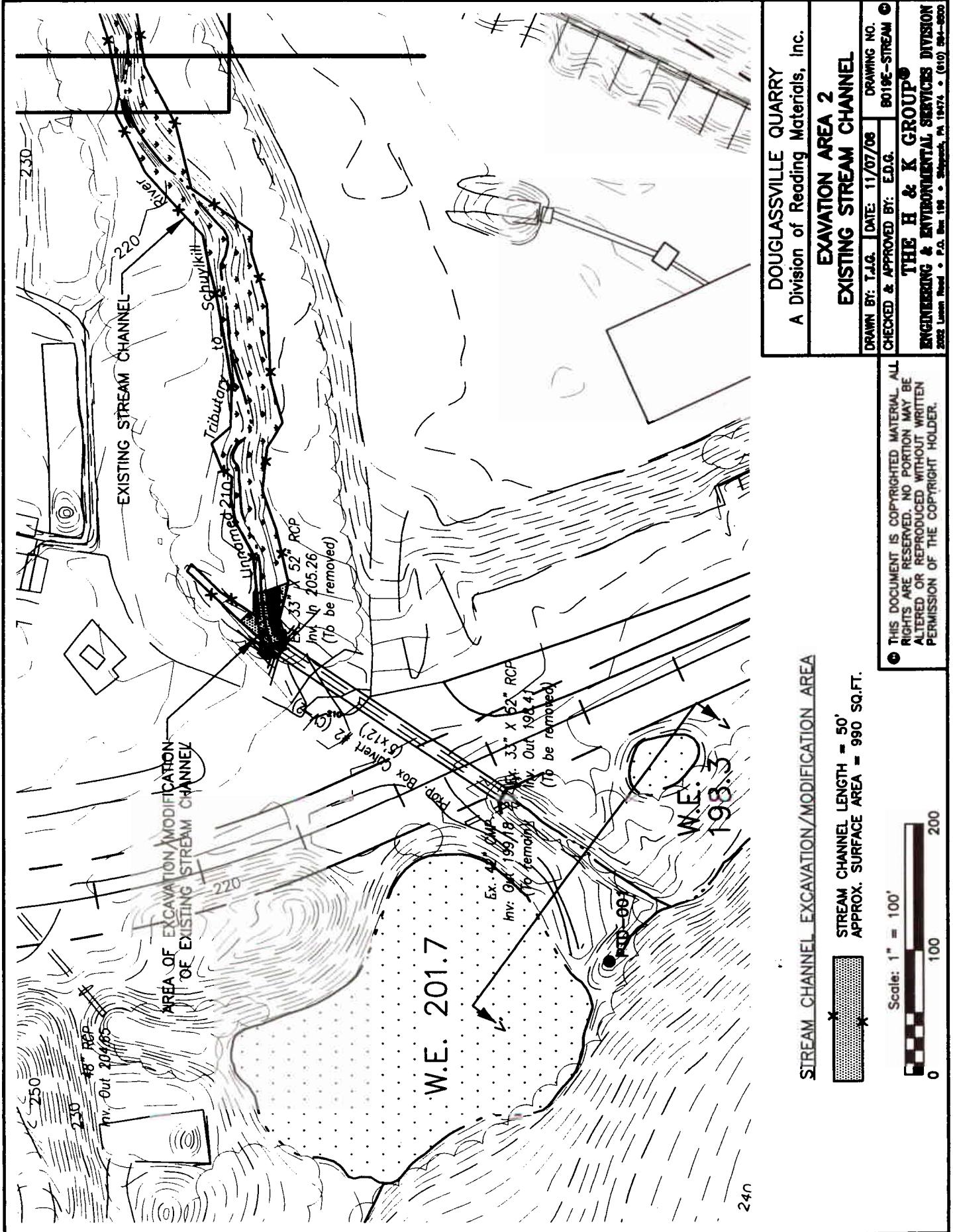
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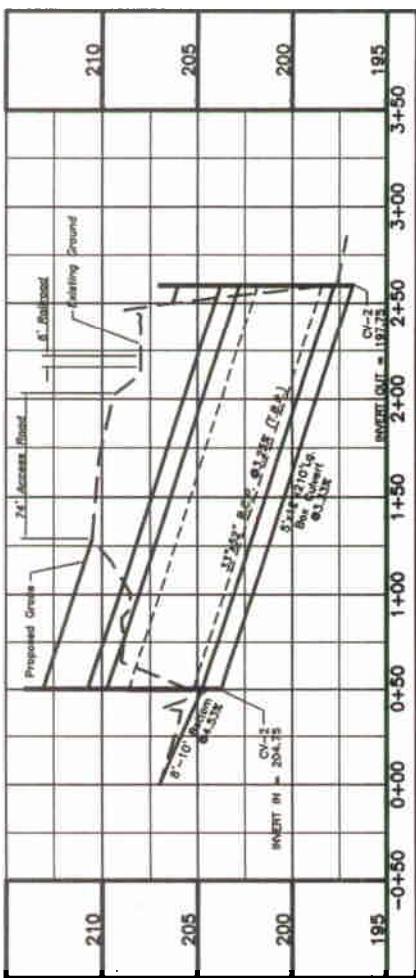
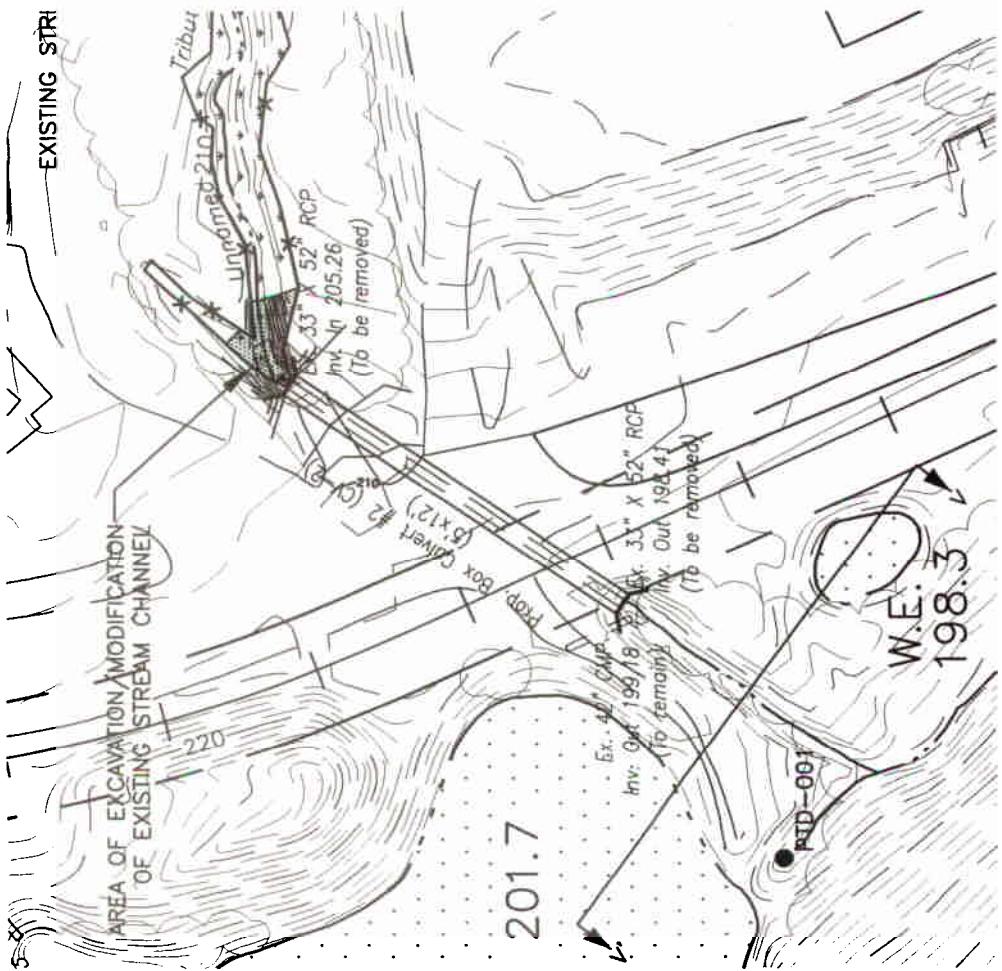
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EXCAVATION AREA 1
EXISTING STREAM CHANNEL

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CHECKED & APPROVED BY: E.D.G. 8019E-STREAM ©
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BOX CULVERT 2 (CY-2) PROFILE
Horizontal Scale: 1" = 100'
Vertical Scale: 1" = 10'

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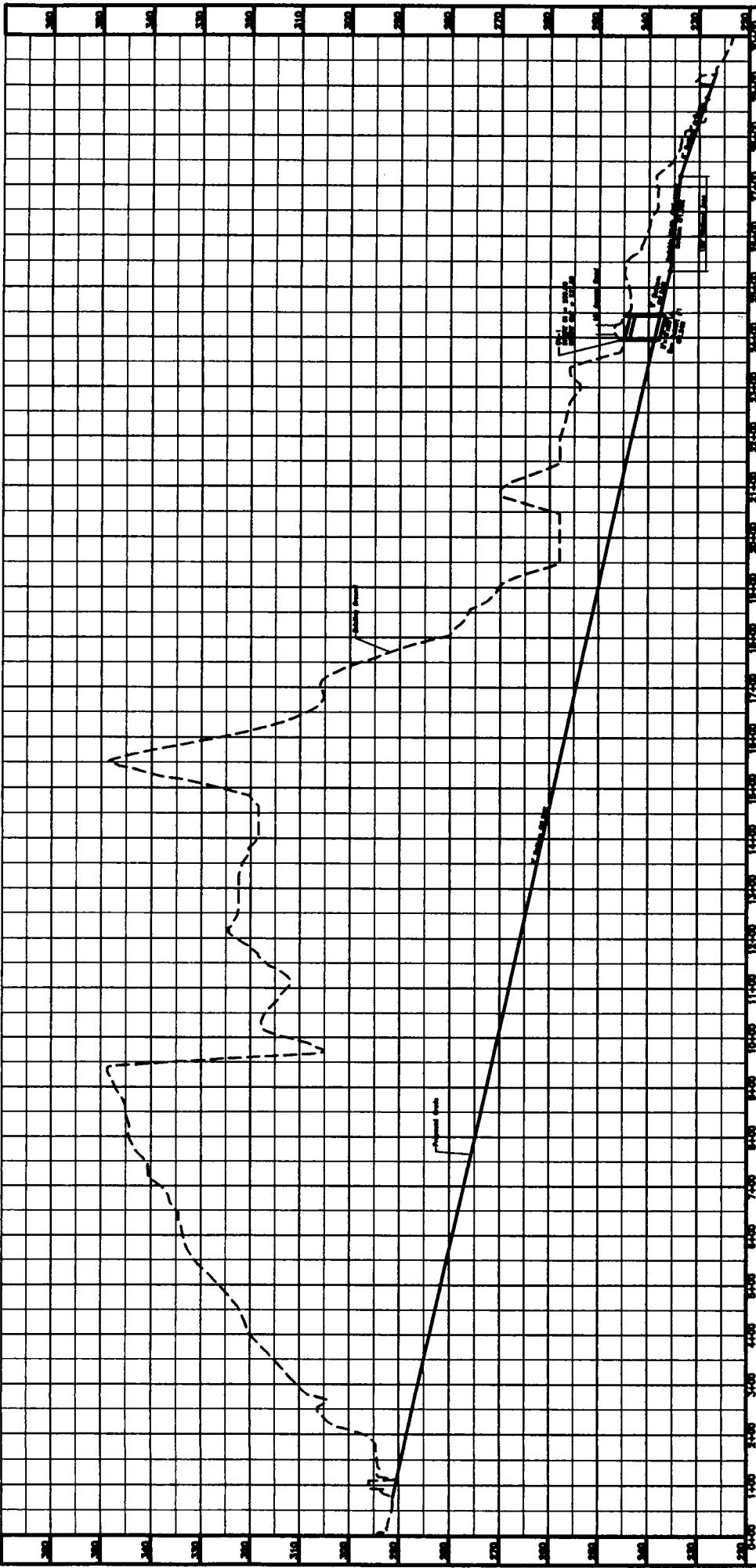
PROPOSED BOX CULVERT 2

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Scale: 1" = 100'





STREAM CHANNEL & BOX CULVERT 1 (CY-1) PROFILE

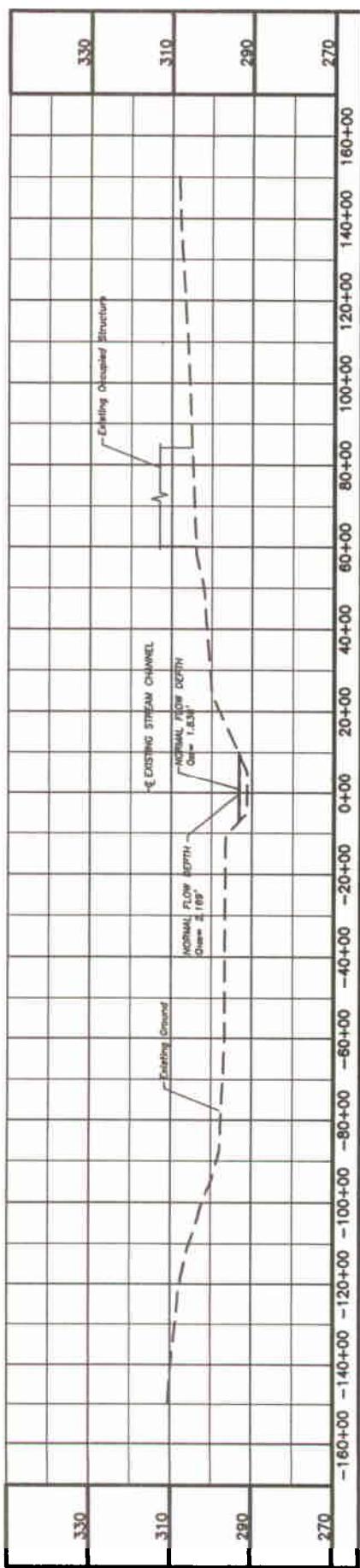
Horizontal Scale: 1" = 300'

Vertical Scale: 1" = 30'

DOUGLASSVILLE QUARRY
A Division of Reading Materials, Inc.
PROPOSED STREAM CHANNEL &
BOX CULVERT 1 PROFILE

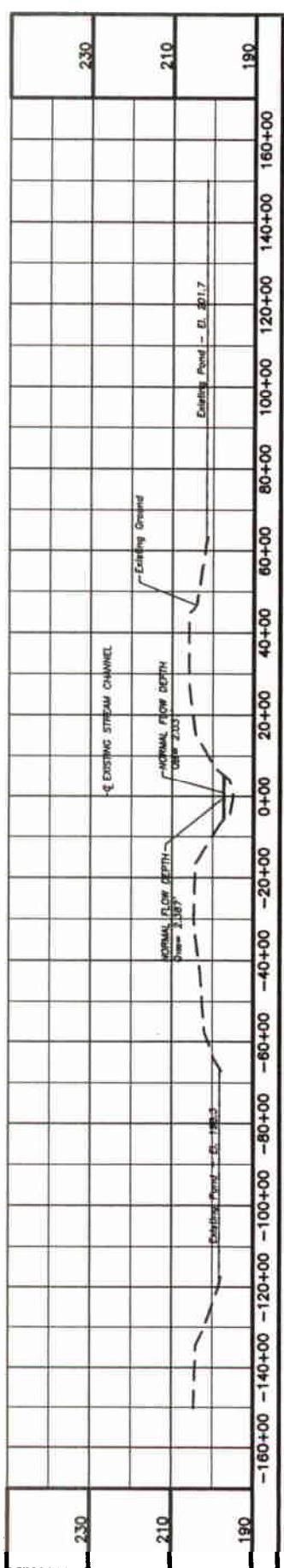
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SECTION U-U' UPSTREAM OF RELOCATION (25' ABOVE TIE-IN)

Horizontal Scale: 1" = 40'
Vertical Scale: 1" = 40'

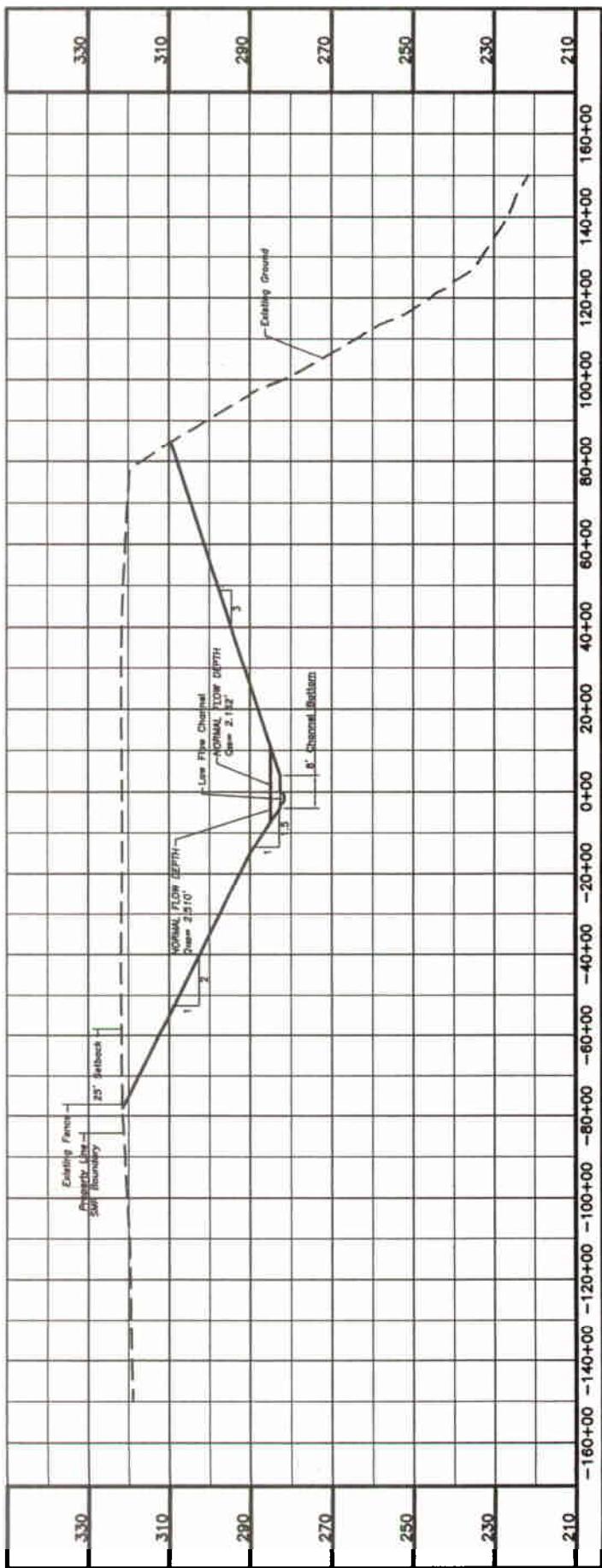


SECTION V-V' DOWNSTREAM OF RELOCATION (80' BELOW C-N-2)

Horizontal Scale: 1" = 40'
Vertical Scale: 1" = 40'

DOUGLASSVILLE QUARRY		
A Division of Reading Materials, Inc.		
UPSTREAM CROSS SECTION U-U'		
DOWNSTREAM CROSS SECTION V-V'		
DRAWN BY: T.J.G.	DATE: 11/07/08	DRAWING NO.
CHECKED & APPROVED BY: E.D.G.		8018E-STREAM
THE H & K GROUP		
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Horizontal Scale: 1" = 40'.

Vertical Scale: 1" = 40'

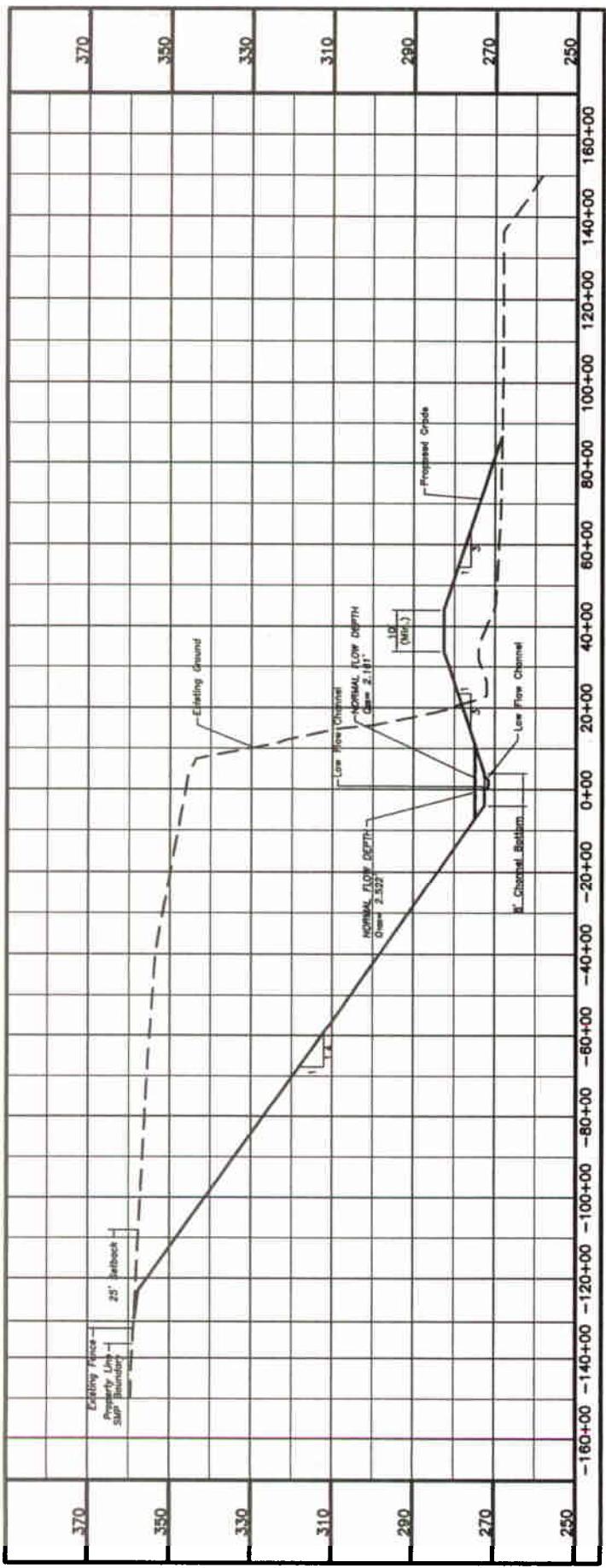
2

DOUGLASSVILLE QUARRY
A Division of Reading Materials, Inc.

STATION 3+75

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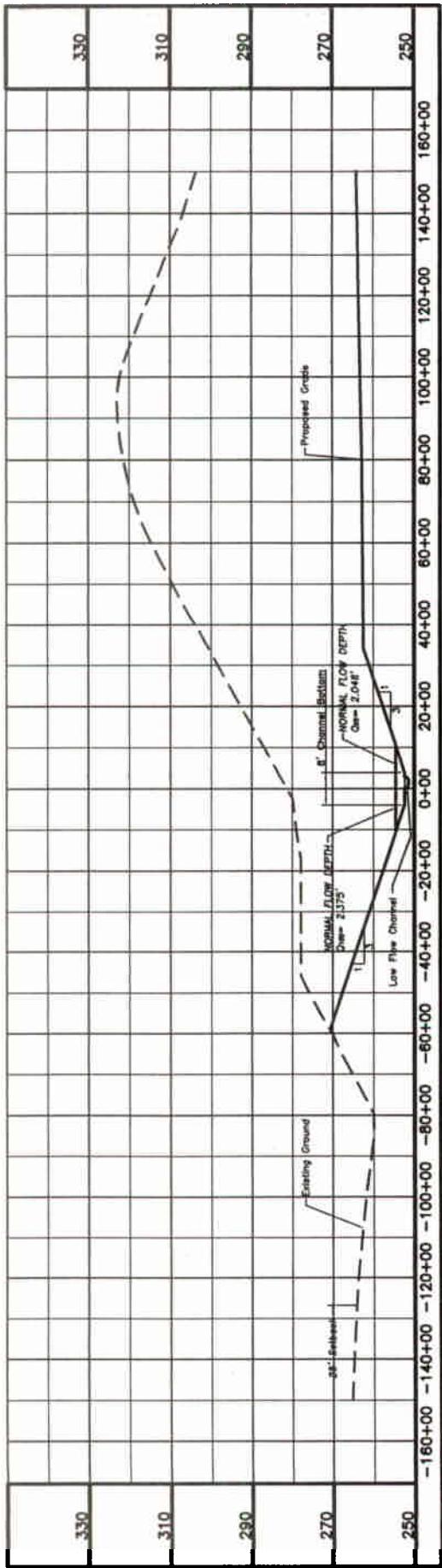
Horizontal Scale: $1'' = 40'$
Vertical Scale: $1'' = 40'$

STATION 8+25

DOUGLASSVILLE QUARRY
A Division of Reading Materials, Inc.

DRAWN BY: T.J.G. DATE: 11/07/06 DRAWING NO. 80196-STREAM C
 CHECKED & APPROVED BY: E.D.G. 2002 Lenni Road • P.O. Box 196 • Souderton, PA 18964 • (412) 591-5600

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STREAM RELOCATION - STATION 17+25

Horizontal Scale: 1" = 40'

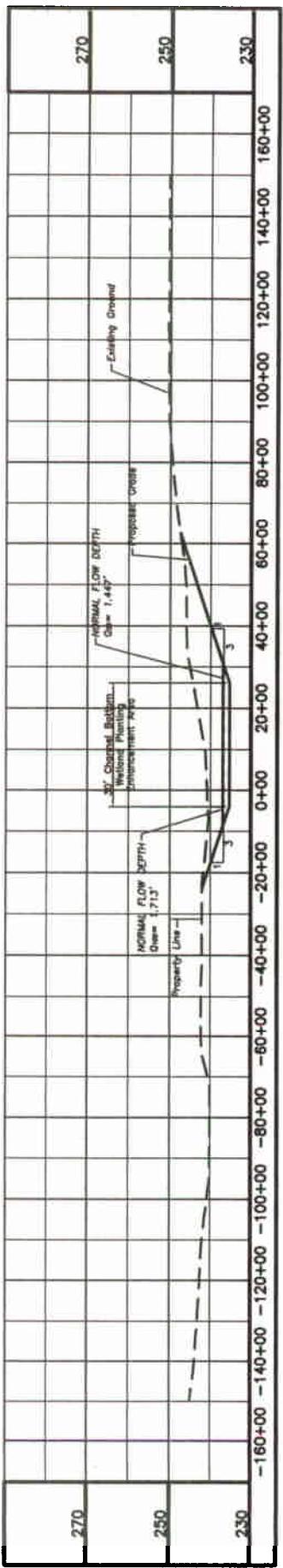
Vertical Scale: 1" = 40'

DOUGLASSVILLE QUARRY
A Division of Reading Materials, Inc.

STATION 17+25

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STREAM RELOCATION - STATION 25+25

Horizontal Scale: 1" = 40'
Vertical Scale: 1" = 40'

DOUGLASSVILLE QUARRY
A Division of Reading Materials, Inc.

STATION 25+25

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SEBASTIÃO WERGEL - NOVÍSSIMA TERRA INÉDITA

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Comment. The requirement of claimed constructionality under claim 1, which is independent portion of the project, to the most unpredictable prior art, is not supported by the fact that the project may occur in the event that many other circumstances as unpredictable remained unchanged during the constructional activities. However, no independent portion of the project may be claimable prior to the completion of all claimable constructional activities.

Plates Chapped, Bismuth. [Bismuth-Blech-Gelatine.] [20-31]
As this strum changes its form in nature, and all extraction methods will injure it, the character here given applies, no scheme now known is equal to that of the present method, in respect to the preservation of the prepared article.

3. Constitutive/growing epithelium
4. Striolar epithelial/mucous associated to facilitate the conundition of the salivary stream directed to the recipient channel, in appropriate areas where all the mucus from the recipient is directed to the epithelial layer.
5. Epithelial composition of excretion and grafting epithelia, permanently used and usually at disturbed areas.

1. Installation/ Enhancement Areas:

1. Install fiber fabric fence/dampproofing at proposed activity.
2. Clear and grub any unnecessary or incompatible shrubs/wooded area.
3. Excavate selected soil and stockpile in an appropriate location for reuse in elevation planting enhancement areas.
4. Elevation planting enhancement areas and flower planting areas to the design.

2. Subsequent Activities:

- 1. Subsequent activities will be conducted under and environmental control (where necessary).

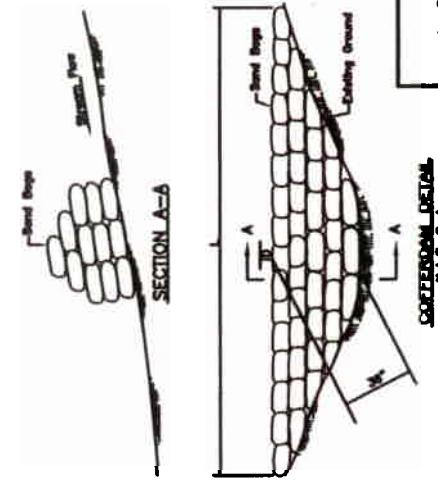
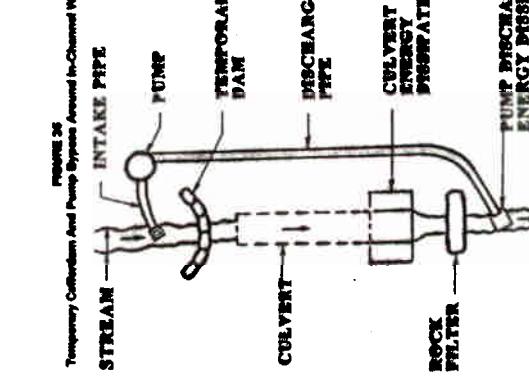
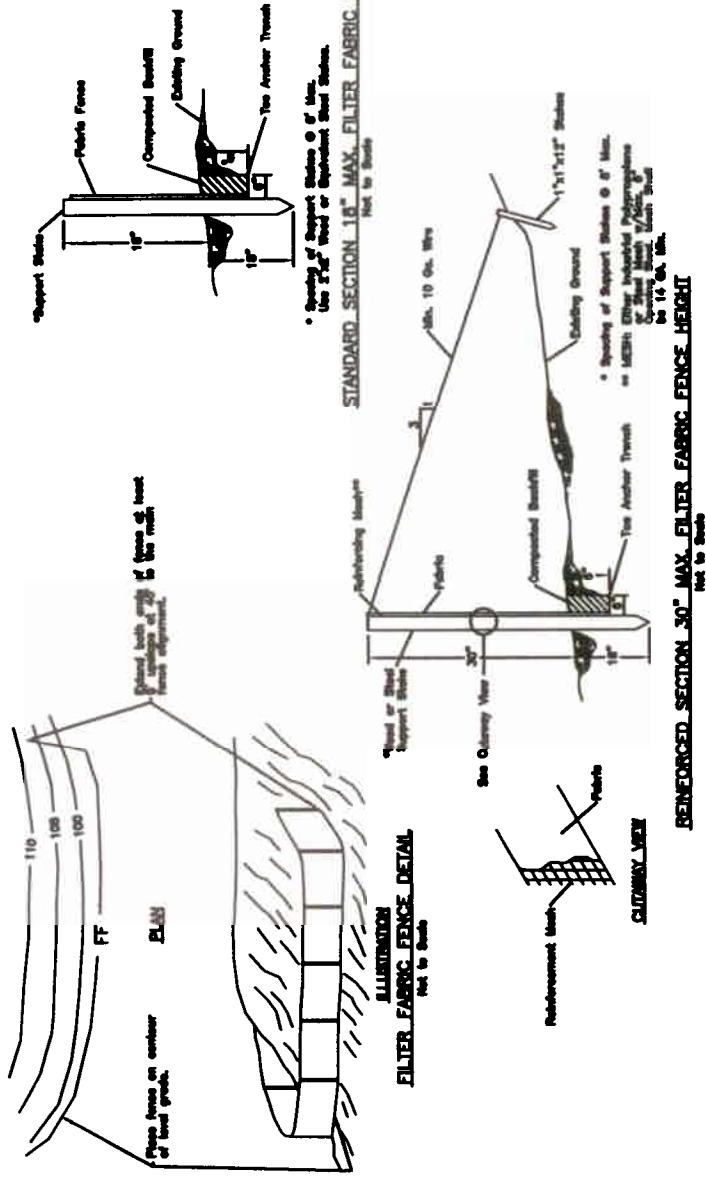
4. Research has shown that the most effective way to control *Phytophthora* is through physical removal of infected tissue. To achieve final
greenhouse establishment, a thickness of 12 inches to culture fine
grade wood substrate aims with a commercial grade wetland soil mixture
(1 cu. ft./2000 sq. ft.).

5. Permanent and stabilize disturbed surfaces.

6. Relationship between Construction and the Cultural 1 Infiltration

1. Perform excavation activities to the channel design grades as shown on plan. Note the majority of the excavation areas have been cleared and grubbed by previous quarry activities.
2. Install filter fabric prior to placement of the proposed activity (where necessary).
3. Clean any grub, soil, debris around the construction site. Note the majority of the construction areas have been cleared and grubbed by previous quarry activities.
4. Hand the majority of the associated materials will be used on the quarry as construction aggregate. All unconsolidated materials which will not be utilized as a construction product will be appropriately absorbed in an area away from the quarry.

5. Prior to completion of dredged construction, Hatch Box Culvert 1 (Ct-1) is
6. located adjacent to Figure 35. Lateral connection to the reduced channel
7. will be required to the construction of the reduced channel, the upstream portion of the
dredged channel which will not be re-dredged.
Upon stabilization of all dimensions, portions of the reduced channel
channel, commence connection of reduced channel to the existing stream
channel. Channel connection shall be in accordance with Figure 35.
The reduced channel connection will be completed upon completion of dredging operations.
Existing channel connection to the final grade as shown on Figure one.
Upon channel connection, permanently stabilize all disturbed areas.
Terminal oil pumping and remove sanding equipment.



DOUGLASSVILLE QUARRY
A Division of Reading Materials, Inc.

DRAWN BY: T.J.G. DATE: 11/07/08 DRAWING NO. 8019E-STREAM C
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